



PUBLISHED BY AUTHORITY

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नई विस्मी, श्रामिवार, सितम्बर 26, 1987 (आश्विन 4, 1909)

No. 39]

NEW DELHI, SATURDAY, SEPTEMBER 26, 1987 (ASAVINA 4, 1909)

इस भाग में भिन्न पृष्ठ संख्या ही जाती है जिससे कि यह अलग संकलन के अप में रखा जा सके।
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस [Notifications and Notices issued by the Patent Office Relating to Patents and Designs]

THE PATENT OFFICE PATENTS AND DESIGNS

Calcutta, the 26th September 1987

ADDRESS AND JURISDICTION OF OFFICES OF THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below:—

Patent Office Branch, Todi Estates, 3rd Floor, Lower Parel (West), Bombay-400013.

The States of Gujarat, Maharashtra, and Madhya Pradesh, and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE".

Patent Office Branch, Unit No. 401 to 405, 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110 005.

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi,

Telegraphic address "PATENTOFIC".

1-257GI/87

Patent Office Branch, 61, Wallajah Road, Madras-600 002,

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Laccadive, Minicoy and Aminidivi Islands.

Telegraphic address" PATENTOFIS".

Patent Office, (Head Office), 214, Acharya Jagadish Bose Road, Calcutta-700 017.

Telegraphic address "PATENTS".

Rest of India.

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Oflices of the Patent Office.

Fees:—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the controller drawn on a scheduled bank at the place where the appropriate office is situated.

(1003)

CORRIGENDUM

In the Gazette of India, Part III, Section 2 dated 11th July, 1987 under the heading "Application for Patents filed in the Patent Office Branch at Todi Estates, 3rd Floor, Sun Mill Compound, Lower Parel (West), Bombay-13 on page No. 746 & 747.

- (i) In respect of Patent Application No. 128/BOM/87 the name of the applicant for "Dr. RACHH-PAL SINGH BALL" read "Dr. RACHCHPAL SINGH BALL" and title of the invention for "FRUIT BASKET SACK" read SACK FRUIT BASKET.
- (2) In respect of Patent Application No. 135/BOM/87 in invention for "SEEDING UPLOOTING CHIMPDA" read "SEEDLING UPROOTING CHIMPTA".
- (3) In respect of Patent Application No. 139/BOM/87 title of the invention for "PORTABLE MINIATURE" read "PORTABLE MINIATURE" BATTERY OPERATED VACUM CLEANER".
- (4) In respect of Patent Application No. 140/Bomi/87, the title of invention for "A HAND OPERATED COOLANT PUMP BATTARY OPERATED VACUM CLEANER" read "A HAND OPERATED COOLANT PUMP" and the name of the applicant for "K. R. DOLARIA" read "K. R. DHOLARIA",
- (5) In respect of Patent Application No. 144/BOM/
 87 in the title of invention, in line 4, for "3DIMENSIONAL SHAPED STRUCTURES AND
 METHOD OF MAKING SUCH" read "3".
 DIMENSIONAL SHAPED STRUCTURES AND
 METHOD OF MAKING SUCH".
- (6) In respect of Patent Application No. 149/BOM/87 for title of invention "SWAKALPA" read "TAP-PING GRAVITATIONAL FORCE INTO USE-FUL APPLICABLE ENERGY BY SWAKALPA PRIME DRIVE".
- (7) In respect of Patent Application No. 148/BOM 87 in the title of invention for "SPART" read "SPARK".

REGISTRATION OF PATENT AGENTS

The following person has been registered as Patent Agent.

Shri Narayan Kesheo Joshi, Chotti Dhantoli, Nagpur.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 24/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dated shown in the crescent brackets are the dates claimed under Section 135, of the Patents Act, 1970.

The 12th August, 1987

- 629/Cal/87. Eaton Corporation. Flectromagnetic contactor having improved structure and assembly.
- 630/Cal/87. Metallgesellschaft Aktiengesellschaft. Dust Collection process.

The 13th August, 1987

- 631/Cal/87. Dalmia Institute of Scientific & Industrial Research and Orissa Cement Limited. Novel brick lining of steel making furnaces.
- 632/Cal/87. Kumar Krishna Rohatgi. Aled (light emitting diode) lamp.
- 633 'Cal/87. Cetus Corporation. Purified thermostable enzyme and process for amplifying, detecting and/or cloning nucleic acid sequences using said enzyme.
- 634/Cal/87. Westinghouse Electric Corporation. Improved internal electrolyte supply system for reliable transport throughout fuel cell stack.

The 14th August, 1987

- 635/Cal '87. Kunal Ghosh, and Chandrika Varadachari.

 Process for the manufacture of pure potassium phosphates and simultaneous production of amorphous alumino-silica from white mica.
- 636/Cal 87. Kunal Ghosh and Chandrika Varadacharl.

 Process for the manufacture of pure potassium chloride and simultaneous production of pure silica from black mica.
- 637/Cal 87. Dr. Binod Kumar Varma. A process for extraction of vegetable tannins from plant materials as parts of Oak and Babul Trees.
- 638/Cal/87. Metallgesellschaft Aktiengesellschaft. Process of desulfurizing gases.
- 639/Cal, 87. Metallgescllschaft Aktiengesellschaft. Process of regenerating absorbent solution streams laden with carbon dioxide and carbon oxysulfide.
- 640/Cal/87. Metallgesellschaft Aktiengesellschaft. Process of treating two laden absorbent solution streams.
- 641/Cal/87. Metallgesellschaft Aktiengesellschaft. Process of treating a pressurized laden absorbent solution.
- 642/Cal/87. Digambar Madhav Chaudary. Improvement in the alumino-thermic process (thermit process) of welding rail sections.
- 643/Cal/87. The Babcock & Wilcox Company. Method for concealment and access to control panel functions.

The 17th August, 1987

- 644/Cal/87. Societe Anonyme Dite: Kiplivit. Folding packaging case.
- 645/Cal/87. The Babcock & Wilcox Company. Microbend fiber optic strain gauge.
- 646/Cal/87. American Cyanamid Company. Novel method for the preparation of quinoline-2, 3-dicarboxylic acid.
- 647/Cal/87. Edion Products, Inc. Polymer-metal bonded composite and method of producing the same.
- 648/Cal/87. Commonwealth Scientific and Industrial Research Organisation. Composite refractory materials. (19th August 1986) Australia.
- 649/Cal/87. Enud Almog, and Ramat Davit Metal Works.

 Pressurised CO₂ gas catridges and process for making carbonated beverages.

The 18th August, 1987

- 650/Cal/87. William Percy Moore. Attrition-resistant controlled release fertilizers.
- 651/Cal/87. Beloit Corporation. Method of and means for hydrodynamic mixing.
- 652/Cal/87. Stoping Aktlengesellschaft. A slide lock at the spout of a container containing metal smelt.
- 653/Cal/87. Horiba Limited. Gel-like member for use in electrode for measuring ion.
- 654/Cal/87. Sushil Chandra Srivastava. A device for separating particulate matters from fluid.
- APPLICATION FOR THE PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, 3RD FLOOR, KAROL BAGH, NEW DELHI-110 005

The 29th June, 1987

- 544/Del/87. Sultan Singh Jain, "An electric safety shield".
- 545/Del/87. Markische Bauelemente GmbH., "Slab-shaped composite element for building purposes".
- 546/Del/87. Warner-Lambert Company, "A razor for shaving a face having pseudofolliculitis barbae".

547/Del/87. Warner-Lambert Company, "Cap for razor blade assembly adapted to receive an extra element".

The 30th June, 1987

- 548/Del/87. Eximport Industria E Comercia LTDA., "Improvement in Lubricating equipment".
- 549/Del/87. Tsentralny Nauchno-Issledovatelsky Dizclny Institut "TSNIDI", "Fuel feed control apparatus for a gaseous/liquid fuel internal combustion engine".
- 550/Del/87. La Telemecanique Electrique, "A device for adjusting the relative position of two parts of the same piece by deformation by means of a conical screw, of an intermediat zone connecting these two parts together".
- 551/Del/87. Digital Equipment Corporation, "Self-timed programmable logic array with pre-charge circuit".
- 552/Del,/87. Union Carbide Corporation, "Pressure swing adsorption product purity control method and apparatus".
- 553/Del/87. Union Carbide Corporation, "Isomerization process and apparatus".
- 554/Del/87. Imperial Chemical Industries Plc., "Coating compositions". (Convention date 30th August, 1983, U.K.). IDivisional date 14th August, 1984].

The 1st July, 1987

- 555/Del/87. Crane Packing Limited, "Mechanical face seals". (convention date 5th July, 1986, U.K.).
 U.K.).
- 556/Del/87. Ulticon Systems, Inc., "Method and apparatus of high speed machining".
- 557/Del/87. John Maurice Fletcher, "Gravitational separation".
- 558/Del/87. Crane Packing Limited, "Mechanical Face scals". (convention date 5th July, 1986, U.K.).

The 2nd July, 1987

- 559/Del/87. Bhushan Lal Mittal, "A crystatlizer".
- 560/Del/87. The Chief Controller Research and Development, "A process for the preparation of basic lead azide".
- 561/Del/87. Kwik Products International Corp., "Improved rotor type carburetor apparatus and associated methods".
- 562/Del/87. Bjorn Olofsson, "A pump arrangement, particularly for pumping water from deep wells".
- 563/Del/87. Metal Box Plc., Pump chamber dispenser". (Convention date 16th July, 1986, U.K.).
- 564/Del/87. PPG Industries, Inc., "Foam control method for vacuum refining of glassy materials".

The 3rd July, 1987

- 565/Del/87. Union Carbide Corporation, "A method for coating a substrate". [Divisional date 27th October, 1984].
- 566/Del/87. Imperial Chemical Industries Plc., "A process for the production of ammonia synthesis gas". 'Convention date 2nd March, 1984, 4th July, 1984 & 9th October, 1984, U.K.). IDivisional date 22nd February, 1985].
- 567/Del/87. Council of Scientific and Industrial Research, "An Improved package water treatment plant".

The 6th July, 1987

- 568/Del/87. Uniroyal Chemical Company, Inc., "Method for heat sealing thermoplastic membranes".
- 569/Del/87. Rohm & Haas Company, "Sequentially-produced polymer particles, aqueous dispersions of sequentially-produced polymer particles, processes for preparing sequentially-produced polymer

- particles, and uses of sequentially-produced polymer particles".
- 570/Del/87. Bhagwan Singh Tandon, "A swivel head for castors".
- 571/Del/87. Shri Ram Institute for Industrial Research, "A process for the preparation of formaldehyde".
- 572/Del/87. G. D. Agrawal, "A valve for shunting of biological fluids".

The 7th July, 1987

- 573/Del/87. Champion Spark Plug Europe S.A., "Connecting device for a wiper system".
- 574/Del/87. BP Chemicals Limited, "Polymer Composition". (Convention date 11th July, 1986, U.K.).
- 575/Del/87. The Lubrizol Corporation, "Sulfurized compositions and lubricants".
- 576/Del/87. La Telemecanique Electrique, "A device for protection against short circuit for AC networks and current limiting circuit breaker appropriate for such a device".

The 8th July, 1987

- 577/Del/87. Alufluor Aktiebolag, "A method for improving the properties of cement mortar and concrete (1).
- 578/Del/87. Aluflour Aktiebolag, "A method for improving the properties of cement mortar and concrete (2).
- 579/Del/87. The Gillette Company, "A thermophotovoltaic device". [Divisional date 29th August, 1984].
- 580/Del/87. The Gillette Company, "A thermophotovoltaic device". IDivisional date 29th August, 1984].
- 581/Del/87. Shri Ram Institute for Industrial Research, "An apparatus for preparation of pure formaldehyde".

The 10th July, 1987

- 582/Del/87. Belgorodsky Tekhnologichesky Institut Stroltelnyk. Materialov Imeni I.A. Grishmanoya, "Ball tube mill".
- 583/Del/87. Sun Industrial Coatings Private Limited, "Apparatus for holding electrical or electronic components during the application of solder". (Convention date 11th July, 1986, U.K.).
- 584/Del/87. Monneret Jouets, "One-piece valve for a closed enclosure, its production process, and means for using this process".
- 585/Del/87. Sun Industrial Coatings Private Limited, "Soldering apparatus". (Convention date 11th July, 1986, U.K.).

The 13th July, 1987

- 586/Del/87. La Telemecanique Electrique, "A device for selectively preventing one or more modes of actuating manual control members equipping an apparatus".
- 587/Del/87. La Telemecanique Electrique, "A symmetric percussion switching device using a dead point over-run device".

The 14th July, 1987

- 588/Del/87. BP Chemicais Limited, "Chromium-containing bimetallic complex catalysts". (Convention dates 30th July, 1986, 28th May, 1987 & 28th May, 1987, U.K.).
- 589/Del/87. Passamaquoddy Tribe d.b.a. Dragon Products Company, "Method and system for exhaust gas stream scrubbing".
- 590/Del/87. Interlego AG., "Toy cog railway".
- 591/Del/87. Lego AS, "A picture book with play effect".
- 592/Del/87. International Development Research Centre, "Upgrading process for inert rich oxidized coal".

The 15th July, 1987

- 593/Del/87. Maddali Gopala Rao Rangarae, "Automatic gas shut off type timer for LPG appliances".
- 594/Del/87. Shri Ram Institute for Industrial Research, "A process for the preparation of formuldehyde".
- 595/Del/87. The Chief Controller of Research and Development, "A device for determining the microbiological quality of water".
- 596/Del/87. Shell Internationale Research Maatschappij B.V., "A process for the catalytic polymerization of an olefin". IDivisional date 6th September, 1984.].
- 597/Del/87. W.R. Grace & Co, "Process for treating waste-water". IDivisional date 22nd January, 1985].
- 598/Del/87. Orbital Engine Company Proprietary Limited, "Improvements relating to the injection of fuel to an engine". (Convention date 1st August, 1986, Australia).
- 599/Del/87. Gallay S.A., "Process of Inbrication of drum bodies having rolling hoop and the drum bodies so produced".
- 600/Del/87. Widen Innovation AB., "Lock and key blade".
- 601/Del/87. Coventry City Council, "Internal combustion, engine".
- 602/Del/87. Maddali Gopala Rao Ranganao, "Grill/oven attachment for LPG stoves".

The 15th July, 1987

- 603/Del/87. Santa Barbara Research Center, "A dual spectrum frequency responding fire sensor". [Divisional date 15th Feb. 1119, 1985].
- 604/Del/87. Sanden Corporation, "Wobble plate type compressor with improved rotation preventing mechanism".
- 605/Del/87. Sanden Corporation, "Piston ring manufacturing method".

- 606/Del/87. Sanden Corporation, "Clutch rotor for electromagnetic clutch and method for producing thereof".
- 607 'Del/87. Union Carbide Corporation, "A method for coating a substrate". [Divisional date 27th October, 1984].

The 17th July, 1987

- 608/Del/87. Shri Ram Institute for Industrial Research, "A process for the preparation of formaldehyde".
- 609/Del/87. Shri Ram Institute for industrial Research, "A process for the preparation of alpha polyoxumethylene".
- 610/Del/87. Shri Ram Institute for Industrial Research, "A process for the polymerization of trioxane".
- 611/Del/87. Shri Ram Institute for Industrial Research, "An improved process for acetylation of terminal hydroxyl groups in acetal polymer".
- 612/Del/87. Shri Ram Institute for Industrial Research, "A process for acetylation of terminal hydroxyl groups in acetal polymer using Jecalia".
- 613/Del/87. Shri Ram Institute for Industrial Research, "A process for the preparation of alpha polyoxymethylene'.
- 614/Del/87. R & C Products Pty. Limited, "Amine-acid thickening compositions". (Convention date 17th July, 1986, Australia).
- 615/Del/87. The M.W. Kellogg Company, "Removal of mercury from gases".
- 616/Del/87. Alan Arthur Quayle and Fmma Quayle, "Needle assembly & needle sheath". (Convention date 22nd July, 1986, U.K.).
- 617/Del/87. Union Carbide Corporation, "A process for preparing a coating composition". IDivisional date 27th October, 1984].

Substrates.

APPLICATION S FOR PETENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES, 3RD FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST), BOMBAY-400013

1-	7-	1	9	8	7

	1-7-1987	
206/BOM/87	Complier and Allied Products Limited 2-7-1987	A one step process for the preparation of 2,6,6-trimethyl-cyclohexa-1, 3- dine-1 carboxaldehyde, more commonly known as safranal from a mixture of 2,6,6-trimethyl-cyclohex-2-ene-1-carboxaldehyde And 2,6,6-Trimethyl-cyclohex-1-ene-1-carboxaldehyde a more commonly known as and β-cyclocitrals respectively.
207/BOM/87	Ahmodabad Textile Industry's Research Association	Process for the preparation of hydrox- yalkyl ethers of polysaccharides.
208/BOM/87	Dr. B A. Mujawar 3-7-1987	Distillery spent-wash pollution control by wet air oxidation method.
209/BOM/87	Electronic & Engineering Company	Mechanism for uni-directional rotation of a shaft.
210/BOM/87	V. B. Deshpande	A device to prevent breaking and or open- ing of a padlock.
211/BOM/87	S. K. Bhide.	Electricity generator motor.
212/BOM/87	Hindustan Lever Ltd. (3rd Nov. 1986 (U.K.)	Transparent Soap.
213/BOM/87	RIB Loc Australia pty (3rd July, 1986, AUSTRALIA) 6-7-1987	Method of and means for producing rein- forced ribbed structures.
214/BOM/87	Dr. C. D. Lokhande & Others.	A process for the Electrolytic deposition of Indium Selenide Compounds from an Aqueous bath on Mete

215/BOM/87	Mrs. V. V. Votnis.	Archana maths game plus study.
216/BOM/87	Greaves Foseco Ltd. (5th July, 1986, U.K.) 7-7-1987	Protection of graphite electrodes.
217/BOM/87	G. B. Radhakrishnani.	An improved probe for a hardness tester and a hardness tester comprising the same.
218/вом/87	V. N. Gulhane	Automatic sluice gates for dams, parculat- larly check dams.
219/BOM/87	V. N. Gulhane	Semi-automatic sluce gates for dams, parti- cularly check dams.
	8-7-1987	
220/BOM/87	Walter F. Albars.	Apparatus and method for simultaneous heat and mass trasnler.
	9-7-1987	
221/BOM/67	V. G. Shah	Increasing the efficiency of the tungsten filament general service Lamp by firmer securing of the tungsten filament with the help of support wires.
222/ВОМ/87	S. Anantharaman	Folding flat pre-fabricated pre-stressed cement concrete slab/panal to produce 3 dimensional diaped structure, and method of making such structure.
	13-7-	1987
223/BOM/87	Marathe Engineering Industris	A tamperproof timing device for use on ring spinning frame used in textile industries.
224/BOM/87	Dr. S. H. Pawat & Others.	A method for the preparation of group V-VI compound semiconductor thin films.
2 25/BOM/87	Rajan Kishor Gandhi	7-1987 Jmptoved Mixer/Grinder.
226/BOM/87	P. A. Kafilia & Others.	Inpulled cutting machine. 6-7-1987
227/BOM/87	The Dharamsi Morarji Chemical Compar Ltd.	A process for manufacture of commercial phosphoric acid and high purity gypsum as principal products and other fluorine chemicals as byo-products;
228/BOM/87	Kimberley Vere Sadleir (16th July 1986. AUSTRALIA & 29th May 1987 Do.	Vtol aircraft and components.
	20)-7-1987
229/BOM/87	D. M. Joshi	Automobile overspeed indicator.
230/BOM/87	The Hindoostan Spinning & Weaving Mills Ltd.	Method and device for determining the percentage of the area covered by a pattern in design to the total area of the design.
		21-7-87
2 31/BOM/87	Hawkins Cookers Limited.	Improvements in or relating to pressure regulating system and pressure cooker having the same.
		22-7-1987
232/BOM/87	Santrade Limited	A granulating device with a perforated hol-
233/BOM/87	V. K. Shah & Others	low cylinder. An improvee flour mill. 23-7-1987
234/BOM/ 87	Huang Ching-Long	An imporved structure for reinforcing the upper and lower edges of a woven bag made by a circular macine.
235/BOM/87	Mayank R. Shah	Improvements in or relating to air coolers. 24-7-1987
236/BOM/87	Flexistack Pty. Ltd. (24th July 1986, AUSTRALIA.)	Improved screen construction.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

The 29th June, 1987

- 468/Mas/87 Watership Pty. Ltd. Expansion of sheet materials. (June 30, 1986; Australia).
- 469/Mas/87. BBC Brown Boveri AB., Switzerland. Pressure-bonded GTO thyristor.

The 30th June, 1987

- 470/Mas/87. Maschinenfabrik Rieter AG., Switzerland.

 Device for cleaning the flats of a revolving flats card.
- 471/Mas/87. Shell Internationale Research Maatschoppij B.V., Catalyst composition and a process for the preparation therewith of hydrocarbons from synthesis gas. (July 2, 1986; Great Britain).

The 1st July, 1987

- 472/Mas/87. Continental Gummi-Werke Aktiengesellschaft. A tubular belt conveyor arrangement.
- 473/Mas/87. Shell Internationale Research Maatschappij B.V., Removing H₂S and CO₂ from a gas mixture containing H₂S and CO₃ (July 7, 1986; Great Britain).
- 474/Mas/87. Repligen Corporation & The United States of America as Represented by the Secretary of Agriculture. Novel enzymes which catalyze the degradation and modification of lignin. (July 2, 1986; New Zealand).

The 2nd July, 1987

- 475/Mas/87. Kabushiki Kaisha Toyota Chuo Kenkyusho.

 Method for surface treatment and treating material therefor.
- 476/Mas/87. Kabushiki Kaisha Toyota Chuo Kenkyusho.

 Method of surface treatment and apparatus used therefor.
- 477/Mas/87. Institut Français Du Petrole, Induced rotation ejector.

The 3rd July, 1987

- 478/Mas/87. Envaril S.A., Rotatable causage forming sleeve member for the inlet of a causage producing apparatus.
- 479/Mas/87. Metal Box plc. Method and apparatus for orientating can ends. (July 17, 1986; Great Britain).
- 480/Mas/87. Linde Aktiengesellschaft. Process for the production of ammonia and carbon dioxide.
- 481/Mas/87. Anton Braun. Bounce chambers for multicylinder linear engine compressors.

The 6th July 1987

482/Mas/87 Imperial Smelting Processes Limited. Process for agglomeration of oxidic and metallic solids.

(July 5, 1986; Great Britain).

483/Mas/87 Indian Space Research Organisation. An inexpensive electropolishing device for non destructive metallography.

The 7th July 1987

484/Mas/87 Lucas Industries Public Limited Company. Tandem Master Cylinder. (July 9, 1986; Great Britain).

- 485/Mas/87. Lucas Industries Public Limited Company.

 Master Cylinder. (July 9, 1986; Great Britain).
- 485/Mas/87 Maschinenfabrik Rieter AG. Method and apparatus for cleaning a textile machine comprising a plurality of operating positions.

The 8th July 1987

487/Mas/87 Posi-Scal International, Inc. Assembly and method for installing and retaining valve seals.

The 9th July 1987

- 488/Mas/87 Dr. Babu Philip & K. C. Manikandan Nair. The use of the fluid released by the partial fermentation of the fermentable sugars in the pulp surrounding the seeds of Theobroma Cacao plant, for further fermentation to ethanol and organic acids.
- 489/Mas/87 Jothi Abraham Muthiah Pandian. An optical magnifier for the visually handicapped.

The 10th July 1987

- 490/Mas/87 Union Carbide Corporation. Hydroformylation using low volatile/organic soluble phosphine ligands.
- 491/Mas/87 Actief N. V. Reclosable bag and scaling strip for use therein. (August 13, 1986; Canada).
- 492/Mas/87 Atochem. Process for the preparation of a vinyl chloride homo- or co-polymer in latex form a vinyl chloride homo-or co-polymer latex prepared by said process and a vinyl chloride homo-or co-polymer obtained from said latex.

The 13th July 1987

493/Mas/87 FMC Corporation, Rear Platform Lift.

The 14th July 1987

- 494/Mas/87 Eniricerche S.p.A. & Enichem Augusta S.p.A. Process for removing paraflins from their mixtures with paraflinsulphonic acids.
- 495/Mas/87 Eniricerche S.p.A. & Enichem Augusta S.p.A.

 Process for extracting paraflins from their mixtures with paraffinsulphonic acids,
- 496/Mas/87 Eniricerche S.p.A. & Enichem Augusta S.p.A.
 Process for extracting paraffins from their mixtures with alkanesulphonic acids.
- 497/Mas/87 Mauser-Werke GmbH. Bung Barrel.
- 498/Mas/87. Mauser-Werke GmbH. Bung Barrel.

The 15th July 1987

- 499/Mas/87 Mahadeva Subbaraya Venkataramana Sarma.
 Atmospheric heat engine, which is a Prime-mover that coverts Heat energy into Mechanical power.
- 500 Mas/87 Carburettors Limited. A valve plate assembly for the fuel pump of a motor land vehicle.
- 501/Mas/87 Stein Heurtey. A tubular fire-dog support for a steel product reheating furnace.
- 502/Mas/87 Caterpillar Inc. Anti-spin control apparatus and method. (February 24, 1987; Canada).
- 503/Mas/87 Cookson Group plc. Novel pyrrole monomers and polymers prepared therefrom, (July 16, 1986; United Kingdom).
- 504/Mas/87 Lincolin GmbH. Central lubrication system for vehicles.
- 505/Mas/87 Wu Shung LIN. Automatic Rice-Scooping Machine.

The 16th July 1987

506/Mas/87 Bureau BBR Itd. A method of producing a corrosion protected cable including a jacket and apparatus for practicing such method.

507/Mas/87. Alcan International Limited. Alumina Hydrates. (July 16, 1986; Great Britain).

The 17th July 1987

- 508/Mas/87 Martin Leslie Tatnall & David Francis Myring. A belt Drive Power-Transmission. (July 18, 1986; Great Britain).
- 509/Mas/87 Caterpillar Inc. Mounting frame for linear impact ripper assembly. (July 18, 1986; Australia).
- 510/Mas/87 American Telephone and Telegraph Company.

 Digital transmission channel framing. (August 7, 1986; Canada)
- 511/Mas/87 American Telephone and Telegraph Company.
 Digital transmission interconnect signal (August 7, 1986; Canada).
- 512/Mas/87 American Telephone and Telegraph Company.
 Digital transmission including add/drop module.
 (August 7, 1986; Canada).
- 513/Mas/87 The English Electric Company of India Limited. An improved finish covering for current transformers.

ALTERATION OF DATE

161050. Ante dated to 30th April, 1982. (618/Cal/85)

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

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CLASS: 120 C₄ 161038

Int. Cl.: B 23 q 11/00.

ARRANGEMENT FOR SUPPLYING A PRESSURIZED LIQUID TO A ROTATING MACHINE PART.

Applicant: VOEST-ALPINE AKTIENGESELI.SCHAFT, OF A-1011 VIENNA, FRIEDRICHSTRASSE 4. AUSTRIA.

Inventors 1 HERWIG WRULICH. 2. FRANZ SCHOFFMANN. 3. WILFRIED MAIER.

Application No. 1001/Cal/83 filed August 12, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

Arrangement for supplying a pressurized liquid in particular of cooling water, to a rotating machine part, in particular to a cutting head, in which arrangement the liquid is, via a stationary axial bore (3), supplied to a distributing chamber and is fed via radial passages (11) opening into the distributing chamber to outlet openings (19) provided on the periphery of the rotating machine part (16), characterized in that the distributing chamber is designed as a cylindrical annular space coaxially surrounding the axial bore (3) and being closed at its front end and having its mantle stationarily arranged, in that at least two radial bores (9, 10) adjoin the annular space in an axial plane and are displaced in axial direction and are of opposite radial direction and in that the rotating machine part (16) is scalingly guided on the non-rotating mantle of the annular space.

Compl. specn. 12 pages.

Drg. 2 sheets

CLASS: 154-D

161039

Int. Cl.: G 06 k 170/00.

A PANEL FOR DISPLAYING INFORMATION IN A XEROGRAPHIC COPIER.

Applicant: XEROX CORPORATION, AT STAMFORD, IN THE COUNTY OF FAIRFJELD, AND STATE OF CONNECTICUT, U.S.A.

Inventors: 1. GEORGE EDWARD BAKER, 2. JOHN WILLIAM DAUGHTON, 3. ANDRAS IMRE LAKATOS, 4. TERENCE WILLIAM BRADY, 5. JAMES ROBERT BRYCE, 6. EUGENE STEPHEN EVANITSKY.

Application No. 948/Cal/83 filed July 29, 1983,

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A panel for displaying information in a xerographic copier depicting the operational status of said copier comprising:

- message generation means having a number of individually addressable character generators which can be activated and thereby rendered visible;
- a graphic display including a pattern of energizable elements which correspond to various copier components:
- circuitry coupled to said graphic display and said message generation means to co-ordinate the visible message presented by the message generator means with the energization of said elements to inform a user viewing said panel of the staturs of said xerographic copier; and
- an overlay for said display which illustrates a copier configuration outline to aid the user in orienting the component represented by an energized element with the copier configuration.

Compl. specn. 25 pages.

Drg. 8 sheets

CLASS: 98-G

161040

Int. Cl. : F28f 1/00.

A METHOD AND APPARATUS FOR PRODUCING EVEN TUBE EXTENSIONS IN A PARTIALLY ASSEMBLED HEAT EXCHANGER.

Applicant: CARRIER CORPORATION, AT P.O. BOX 4800, SYRACUSE, NEW YORK 13221, UNITED STATES OF AMERICA.

Inventor: 1. JOHN EDWARD MICHAEL, 2. LARRY DOUGLAS FLATT.

Application No. 1023/Cal/83 filed August 19, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A method of preparing tubes having uniform length integral flared portions in the ends of the tubes in a partially assembled heat exchanger for the reception of return bends which extend equidistantly from a tube sheet of the heat exchanger through which the ends of the tubes initially extend at various distances from the tube sheet, which comprises the steps of:

- (A) simultaneously outwardly flaring the ends of a plurality of cylindrical tubes of uneven distance from the tube sheet by forcing an outwardly flared frustrum into the open end of each of the tubes toward the tube sheet;
- (B) stopping the movement of the frustrums toward the tube sheet at a uniformly predetermined distance therefrom, thereby forming and positioning the flared portion of each of the tubes at a uniformly preselected distance from the tube sheet; and
- (C) slitting and rolling the excess material of the tubes beyond the said flared portion by contacting and displacing the excess material beyond the desired flare portion with a roll face having slitting teeth disposed thereon, thereby simultaneously slitting and rolling the excess material of tube backwardly toward the tube sheet while avoiding splitting of the desired flare portion being formed.

Compl. specn. 17 pages.

Drg. 2 sheets

CLASS: 40-B

161041

Int. Cl.: B 01 j 11/00, 11/84.

PROCESS FOR PREPARING COMPONENTS OF CATALYSTS FOR THE POLYMERIZATION OF ALPHA-OLEFINS.

Applicant: MONTEDISON S.p.A., OF 31, FORO BUONAPARTE, MILANO, ITALY.

Inventors: 1. VIVIANO BANZI, 2. PJER CAMILLO BARBE, 3. LUCIANO NORISTI.

Application No. 1099/Cal/83 filed September 8, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

Process for preparing components of catalysts for the polymerization of alpha-olefins CH₂=CHR, wherein R is a C₁-C₄ alkyl radical or an aryl radical, and mixtures thereof with minor amounts of ethylene, said component comprising a solid (a) formed by an anhydrous Mg dihalide as a carrier, and supported thereon a Ti-halide and an electron donor compound (ED) which does not contain active hydrogen atoms, the crystallites of said Mg dihalide having an average size less than 300 Ű the ED compound/Ti halide molar ratio in said solid (a) being from 0.2 to 3, and the ED compound/Mg di-halide molar ratio being from 0.05 to 0.3, said process comprising treating with a liquid organic substance (c) as hereunder defined at temperatures ranging from 40°C to 350°C, without any extractive operation a composition (b) comprising either an anhydrous Mg dihalide the crystallites of which have an average size less than 300 Ű, or said Mg-dihalide containing supported thereon at least one of the compounds consisting of a Ti halide and an electron donor compound (FD) the FD/Mg, molar ratio being comprises between 0.05 and 0.3, the Ti/Mg molar ratio being between 0.2 and 3 until the surface area of composition (b) is increased by at least 3 times without a reduction in the average size of the magnesium dihalide crystallites, or until the average size of the magnesium dihalide crystallites, or until the average size of the magnesium dihalide crystallites, or until the average size of the crystallites, or until the average size of the crystallites, or until the average size of the crystallites of the magnesium dihalide present in composition (b) is increased by at least 3 times without a reduction in the average size of the crystallites of the magnesium dihalide present in composition (b) is increased by at least 5% without a reduction in the surface area of composition (b) substance (c) being liquid

under the treatment conditions, inert to the compounds forming the catalyst components and having a dielectric constant at 20°C equal to or higher than 2 and being employed in an amount exceeding 10% by weight in respect with the magnesium halide and being left, at the end of the treatment, fully or partially in contact with solid (a) or, if removed, being removed by evaporation; the titanium halide and or the FD compound being supported on the magnesium dihalide during or after the treatment with substance (c) at least when said compounds are not already supported on the magnesium dihalide.

Compl. specn. 52 pages.

Drg. 1 sheet

CLASS: 108-C₁, 2, 3

161042

Int . Cl. : C 21 c 7/00, 5/30.

A PROCESS OF AND APPARATUS FOR REFINING A STEEL BATH CHARGED WITH LARGE QUANTITIES OF SCRAP.

Applicant: ARBED S.A., OF AVENUE DE LA LIBER-TE, L-2930 LUXEMBOURG, GRAND-DUCHY OF LUX-EMBOURG.

Inventor: FRANCOIS SCHLEIMER.

Application No. 1123/Cal/83 filed September 14, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A process of refining a steel bath charged with large quantities of cirap which is melted, wherein the bath is refined with oxygen and the carbon monoxide thereby produced is combusted in a known manner directly over the surface of the bath, characterized by:

removing waste gas containing CO from converter;

followed by cooling, cleaning, drying and collecting said waste gas; compressing said waste gas;

charging said compressed waste gas with a carbonaceous material; and

blowing said charged waste gas onto the surface of the said bath.

Compl. specn. 11 pages.

Drg. 1 sheet

CLASS: 47-C

161043

Int. Cl. : C 10 b 39/02

SHAFT COOLER FOR THE DRY QUENCHING OF COKE.

Applicant: DR. C. OTTO & COMP. GMBH. OF POST-FACH 101850, D-4630 BOCHUM 1, WEST GERMANY

Inventors: 1. DR. JURGEN TIETZE. 2. WILHELM DANGUILLIER, 3. HEINZ THUBEAUVIJLE, 4. SIEGFRIED POHL, 5. FRIERICH MULLER,

Application No. 1124 'Cal/83 filed September 14, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A shaft cooler for the dry quenching of coke and other piece fuels, the cooler having a vertical refractory chamber having a top conical portion formed with a central charging opening, there being disposed below the top portion a substantially cylindrical portion formed with a bottom discharge opening, the cylindrical portion having extending around its top part a ring main which at its bottom end communicates by way of a number of gas flue passages with the interior of the cylindrical portion, characterised in the following features:

the masonry bounding the ring main (9) on the inside is from the bottom edge to the base of the conical part (3) an independent ring structure (11, 11a), which

extend parallel to the chamber axis and are spaced equidistantly from one another around the periphery;

the tubular stays (12, 12a) being guided at their top ends by the masonry (6) of the conical portion (3) and secured to retaining means which bear on the top edge of the outer masonry (5; and

refractory radial support webs (18) extend between the bottom edge of the masonry ring (11, 11a) at an equidistant spacing from one another around the periphery, the spaces between them serving as the gas flue passages (19) which extend into the ring main (9).

Compl. specn. 19 pages.

Drg. 5 sheets

CLASS: 72-A

161044

Int. Cl.: C 06 b 19/00 to 21/00.

A METHOD OF MAKING AN EXPLOSIVE IN THE FORM OF AN EMULSION AND AN APPARATUS FOR PERFORMING THE METHOD.

Applicant: AECI LIMITED OF 16TH FLOOR, OFFICE TOWER, CARLTON CENTRE, COMMISSIONER STREET, JOHANNESBURG, TRANSVAAL PROVINCE, REPUBLIC OF SOUTH AFRICA.

Inventors: 1. DAVID ELLIS, 2. JEREMY GUY BREAKWELL SMITH, 3. PIETER STEPHANUS JACOBUS HALLIDAY.

Application No. 1293/Cal/83 filed October 21, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

22 Claims

A method of making an explosive in the form of an emulsion comprising a discontinuous phase as herein defined containing an oxidising salt as herein defined, and a continuous phase comprising a fuel which is immiscible with the discontinuous phase, the method comprising directing a plurality of 0.5 to 5 mm diameter jets of the discontinuous phase into the continuous phase, in the presence of an emulsifier, and feeding the continuous phase containing the discontinuous phase through at least one mixer.

Compl. specn. 26 pages,

Drg. 3 sheets

CLASS: 198-D

161045

Int. Cl.: B 03 b 3/54; F 23 j 3/06, 3/40.

PROCESS FOR REMOVING HEAVY METAL ASH FROM AN AQUEOUS SOOT SUSPENSION.

Applicant: CHEMISCHE WERKE HULS AKTIENGE-SELLSCHAFT, OF 4370 MARL 1 KREIS RECKLINGHA-USEN, GERMANY.

Inventor: DR. WERNER SOYEZ.

Application No. 1358/Cal/83 filed November 3, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A purification process for removing heavy metal ash essentially comprising sulphides and oxides of vanadium, nickel and iron from an aqueous soot suspension such as results from the production of synthetic gas through partial gasification of heavy oils, wherein said soot suspension made by using circulating water is treated in standard manner with organic adjuvants e.g. liquid hydrocarbons non-miscible with water and suitable for the separation of soot, optionally followed by pelletizing, and that, the metal ash particles being in said aqueous phase, if necessary, after preliminary concentration by alter, are directed to a sedimentation stage having a throughput capacity of 0.2 to 2 m⁹ per hour and m² clarification area for sedimentation and are subsequently removed from water circulation.

CLASS: 80-I: 201-D

161046

Int. Cl.; B 01 d 25/04.

EQUIPMENT FOR MECHANICALLY CLEANING COOLING WATER FLOWING FROM POWER STATION CONDENSERS.

Applicant: TAPROGGE GESELLSCHAFT mbH., OF WACHOLDERSTRASSE 7, 4000 DUSSFLDORF 31, FEDERAL REPUBLIC OF GERMANY.

Inventors: 1. KLAUS-MICHAEL BITZER, 2. KLAUS EIMER, 3. KLAUS GROBE, 4. GEORG MAYER, 5. DIETER PATZING.

Application No. 1527/Cal/83 filed December 14, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims

Equipment for mechanically cleaning cooling water following from power station condensers, comprising a cylindrical sieve housing, a sieve applicance for sieving out contamination in the sieve housing, and means for effecting back-flushing of the sieve appliance, in which the sieve appliance possesses a plurality of sieve surfaces that are positioned obliquely to the direction of flow and portions of the sieve surfaces can be flushed clean through operation of the back-flushing means whilst the normal cleaning operation of the rest of the equipment is maintained, and in which the back-flushing means includes waste water discharge means through which the back-flushing water with the back flushed contamination can be discharged, the sieve housing being divided transversely to the direction of flow of the cooling water into at least two sector chambers, in advance of the sieve applicance with respect to the direction of flow, the waste water discharge means comprising at least one pipe fitted with a valve and connectable to the sector chambers, the back-flushing means also including at least one flow-off shutter in advance of the waste water discharge pipe whereby to flush clean the sieve surface or seive surface associated with a sector chamber, the individual sector chamber is shut off from the direct flow of cooling water by operation of the cut-off shutter and the associated waste water discharge valve is opened.

Compl. specn. 21 pages.

Drg. 4 sheets

CLASS: 32-E

161047

Int. Cl.: C 08 g 9/30.

CONTINUOUS METHOD FOR THE ONE-SHOT PRE-PARATION OF A MELAMINE-FORMALDFHYDE RE-SIN.

Applicant: FORMICA CORPORATION. OF ONE CYANAMID PLAZA, WAYNE, STATE OF NEW JERSEY, UNITED STATES OF AMERICA.

Inventors: 1. EIMER P. BLASING, 2. RONALD JAMES KEELING, 3. JIN-YOUNG KIM ROE.

Application No. 65/Cal/84 filed January 30, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A continuous method for the one-shot preparation of a melamine-formaldehyde resin which comprises:

charging crystalline melamine and solid formaldehyde, in the absence of solvent, into a single pass reactor at a temperature ranging from 120°C to 180°C for from 30 seconds to 5 minutes and recovering the resultant resin a molten liquid.

Compl. specn. 9 pages

Drg. Nil

CLASS : 195-D

161048

Int. Cl.: F 16 k 3/00.

A GATE VALVE ASSEMBLY.

Applicant: NL INDUSTRIES, INC. OF 1230 AVENUE OF THE AMERICAS NEW YORK, NEW YORK-10020 U.S.A.

Inventor: 1, NORMAN, ALLEN NELSON.

Application No. 275/Cal/84 dated April 26, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

A gate valve assembly having an annular seat comprising:

- a seat body having a generally axially facing annular contact face for opposition to a valve element and having an annular groove extending axially thereinto, said annular groove having inner and outer side walls: and
- a face seal comprising an annular elastomeric seal body having a base portion disposed in said annular groove and a sealing portion which, in a relaxed condition, projects axially outwardly from said annular groove, and said seal body further having an annular auxiliary sealing formation extending about its outer diameter sealingly engaging the outer side wall of said annular groove.

Compl. specn. 27 pages.

Drg. 3 sheets

CLASS: 98-D

161049

Int. Cl. : F28 d 7/00.

HEAT EXCHANGER.

Applicant: GEA GmbH, OF KONIGSALLE 43-47 4630 BOCHUM, FEDERAL REPUBLIC OF GERMANY.

Inventors: 1. HEINRICH SCHULZE, 2. PAUL PAI-KERT, 3. HEINHARD MAROHN.

Application No. 348/Cal/84 filed May 22, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A heat exchanger with several axially parallel pipes which have in particular a circular cross section to guide an internal medium and which are provided at their outer surfaces with transverse ribs arranged at equal axial distances from one another, said ribs having corrugations which are bent out of the planes of the ribs in the same direction and have a substantially semicircular cross section to form guide elements for an external medium flowing transversely against and past the pipes and which are arranged, seen in the flow direction of the external medium at a distance adjacent to the pipes, said corrugations being formed as guide channels which positively deflect with their inner surfaces the external medium and extend parallel to the outer surfaces of the pipes characterized in that corrugations (3a, 3b, 3c) with different radial distances from an associated pipe (1) are provided and, seen in the direction of flow, the facial inlet openings (5a) of at least some corrugations, overlap the outlet openings of adjacent corrugations.

Compl. specn. 12 pages.

Drg. 2 sheets

GLASS: 32-A

161050

Int. Cl. : C 09 b 27/00, 29/00.

PROCESS FOR THE MANUFACTURE OF MONOAZO COMPOUNDS.

Applicant: HOECHST AKTIENGESELLSCHAFT OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventors: 1. FRITZ MEININGER, 2. URSULA OTTEN, 3. ANNA GERTRUD RUDOLPH NEE OTTEN.

Application No. 618/Cal/85 filed August 26, 1985.

Division of Application No. 482/Cal/82 dt. 30th April 1982,

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta,

2 Claims

A process for the manufacture of a monoazo compound of the formula (1) of the accompanying drawings

wherein M is a hydrogen atom or the equivalent of a metal R is a hydrogen atom or the methyl, ethyl, methoxy or ethoxy group, and

the vinylsulfonyl group in the benzene nucleus is in the meta or para position relative to the acylated amino group and

the second group of the formula -SOM in the naphthalene nucleus is bound in the meta of para position relative to the acylated amino group which comprises treating a compound of the formula (6)

wherein R and M are defined as above, in neutral to slightly alkaline aqueous medium at a temperature of from 30 to 45°C with an acid-binding agent such as herein described, such as by adding the said acidbinding agent in equivalent quantity to the synthesis solution of this compound and then subjecting the solution to evaporation, preferably spray-drying.

Compl. specn. 21 pages.

Drg. 3 sheets

CLASS: 34-A

161051

Int. Cl.; B 29 d 9/00.

AN IMPROVER PROCESS FOR MAKING COMPOSITE PRODUCTS SUCH AS BUILDING BOARD, FURNITURE BOARD, RECONSTITUTED LUMBER AND OTHER MOLDED ARTICLES FROM COMMINUTED SUGAR CONTAINING LIGNOCELLULOSIC MATERIALS.

Applicant: SHOJI OHOTA, OF 18-5, 4-CHOME, IZUMI, SUGINAMI-KU TOKYO, JAPAN.

Inventor: 1. KUO-CHENG SHEN.

Application No. 1142/Cal/83 filed September 19, 1983.

Appropriate office for opposition proceedings (Rule 4, Putents Rules, 1972) Patent Office, Calcutta.

9 Claims

An improved process for making composite products such as building board, furniture board, reconstituted lumber,

and other molded articles from comminuted sugar containing lignocellulosic materials such as herein described without the addition of adhesive binders, characterised in that it comprises the steps of separating in a manner known per se the said lignocellulosic materials into particles, fibres strands, and flakes, drying in a manner known per se the comminuted lignocellulosic materials, forming in a manner known per se the previously dried comminuted lignocellulosic materials into a desired mat, and pressing and heating the formed mat at a temperature of 180°C or higher and a pressure and a time sufficient to consolidate said mat into a molded article, while the adhesive bond is developed and thermoset in situ, transforming and polymerizing in a manner known per se the sugars and water soluble materials into an insoluble and infusible crosslinked substance as bonding and strengthening agent which is resistant to boiling water and to acid hydrolysis.

Compl. specn. 18 pages.

Drg. Nil

CLASS: $55-E_2+E_4$

161052

Int. Cl.: A 61 k 25/00, 27/00.

PROCESS FOR PREPARING ABSORBABLE HEMOSTATIC COMPOSITION.

Applicant: ETHICON, INC., IN SOMERVILLE, NEW JERSEY, UNITED STATES OF AMERICA.

Inventors: 1. FRANK VICTOR MATTEI, 2. MARTIN STEPHENSON, 3. ALLIN KIMBERLEY GORDON, 4. NAMASSIVAYA DODDI.

Application No. 1309/Cal/83 filed October 25, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

26 Claims

Process for preparing an absorbable hemostatic composition for use in the control of osseous haemorrhage, comprising mixing:

- (i) a component (A) comprising either 45% to 80% by weight (based on the weight of the total composition) a bicompatible fatty acid salt such as herein described, or a mixture of said fatty acid salt with a biocompatible in vivo absorption enhancing agent, such as herein described, in which said mixture comprises between 35% and 45% by weight of said fatty acid salt (based on the weight of the total composition) and between 25% and 35% by weight of said absorption enhancing agent (based on the weight of the total composition); and
- (ii) a component (B) comprising a biocompatible base selected from natural or synthetic fats and oils and polyoxy-ethylene composition such as herein described,

the cation of said fatty acid salt being selected from the group consisting of calcium, magnesium, zinc, aluminium, lithium and barium, the fatty acid anion being saturated or unsaturated and containing from 10 to 22 carbon atoms in the chain; said composition having putty-like consistency at room temperature, and a tackiness sufficient for it to adhere readily to a boody bone surface.

Compl. specn. 27 pages.

Drg. Nil

CLASS: 144 E 2.

161053

Int. Class: C 03 c-17/22, 17/28.

"A PROCESS FOR PREPARING THE COATING COM-POSITION FOR USE IN THE FORMING OF A TIN OXIDE COATING ON GLASS"

Applicant: M&T CHEMICALS INC., a corporation organised and existing under the laws of State of Delaware, U. S. A., of One Woodbridge Center, Woodbridge, New Jersey 07095, United States of America.

Inventor : GEORG HEINRICH LINDNER.

Application for patent no. 407/Del/84 filed on 16th May, 1984

Appropriate office for apposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-110005.

(7 CLAIMS)

A process for preparing the coating composition for use in the forming of a tin oxide coating on glass at a temperature of at least 800° F comprising mixing monoalkyltin trihalide and about .5 to 10 parts by weight per hundred part, monoalkyltin trihalide of a dopants selected from the ground consisting of:

monohydric alcohols represented by the formula ROH, where R. is a C₁ -C₈ straight or branched chain groupdihydric alcohols represented by the formula HO- (CH_2) m-OH, where $m_1 = 2$ to 6; glycol others represented by the formula, -R1-(OCH₂CH₂)n OH, where R1 is a C₁-C₈ group and n=1 or 2; esters represented by the formula, R2O₂CR3, where R2 is a C₁-C₆ straight or branched chain group, R4 (OCH2 CH2), where R4 is a C_1 — C_4 group, s=1 or 2, and R^3 is C_1 - C_4 group or -CH2OH6; ketones having the formula R5COR6, where R5 and R6 are C1-C6 straight, branched chain or cyclic groups; ethers represented by the formula, -R7 (OCH₂CH₂) OR⁸ where R⁷ and R⁸ are C₁-C₄ groups or -(CH₂)p -where p=4 or 5, or -CH₂CH₂OCH₂CH₂-, and r=0-4; aldehydes represented by the formula, R10CO2 COR11, where R10 and R11 are a · C1-C3 group formamides represented by the formula R12 R13 NCOH, where R^{12} and R^{13} are a C_1 - C_4 group; and acetals represented by the formula, R^{14} (CH₂)qCH(OR¹⁵)₂, where R^{14} is H, OH, $(CH_3)_2$ N, or $(C_2H_5)_2$ N, q=0 or 1, and R13 is a C₁-C₂ group, or a nitrile, R¹⁶ CN where R¹⁶ is a C₁-C₃ group, and mixtures thereof and wherein the combination of the dopant and the glass coating material has a flash point of at least 60°C.

(Complete specification 13 pages.)

CLASS: 201 D

161054

Int. Cl.: C02b-1/00.

IMPROVEMENTS IN OR RELATING TO PACKAGE WATER TREATMENT PLANTS FOR WATERS OF VARYING TURBIDITIES.

Applicant: COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor: VASANT ANANT MHAISALKAR, RAMA-LINGA PARAMASIVAM.

Application for Patent No. 505/Del/1984 filed on 21st June, 1984.

Complete specification left on 23rd July, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, New Delhi-5.

5 Claims

A package water treatment plant consisting of two concentric cylinders (1 & 2)) the inner cylinder being provided with a hopper bottom with pebbles placed on it, an inlet pipe (4) provided at the bottom of the cylinder for admitting congulant dosed water, said inner cylinder also provided with a sludge connecting funnel having valves (14 & 16), the annular space at the bottom between the

two cylinders containing a filter (6) placed above supporting gravel (7) an outlet pipe (9) for the filtered water having valves (11 & 12) provided just above the filter media, the outer cylinder having an overflow pipe (10) at its top and two outlet (13) near about the centre for collecting the spent back wash.

Provisional specification 6 pages.

Compl. specn. 8 pages.

Drg. 1 sheet

CLASS: 70C3 & 6 & 32E

161055

Inf. Cl.: C 07d—27/20.

IMPROVED PROCESS FOR SYNTHESIS OF POLYPYRROLE. ELECTROCHEMICAL

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors: DINESH CHANDRA TRIVEDI, VENKATASUBRAMANIAN KRISHNAN, KODETHOOR SHRIVARA UDUPA AND KUMMATTITHIDAL SANTHANAM RAJAGOPALAN,

Application for Patent No. 555/Del/84 filed on 9th July, 1984.

Complete specification left on 12th June, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, New Delhi-5.

8 Claims

A process for the preparation of polypyrrole which comprises electrochemical polymerisation of pyrrole in an electrolyte containing a supporting electrolyte in a solvent the anode and the cathode being stainless steel and having an area 30 cm2.

Complete specification 7 pages.

Drg. 1 sheet

CLASS: 40 G, & 39 E & Q

. 161055

Int, Cl.: C01b-17/06.

· AN IMPROVED PROCESS FOR THE PREPARATION OF ZINC SULPHIDE: SILVER PHOSPHOR BLUE PHOTOLUMINESCENT MATERIALS.

Applicant: COUNCII. OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors: CHITTARI VENKATA SURYANARAYANA & ALICE KURIAN.

Application for Patent No. 557/Del/1984 filed on 9th

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

6 Claims

An improved process for the preparation of zinc sulphide-silver blue photoluminescent phosphor comprising heating a mixture of zinc sulphide, a silver salt and an alkali halide as flux in an inert atmosphere at 800°-1000°C characterised in that the zinc sulphide admixture is placed in a ceramic crucible and heated to a temperature in the range of 800°-1000°C thereafter the ceramic crucible is heated in another bigger crucible containing an oxidisable sulphur compound and closed to provide an atmosphere which ex-cludes oxygen. cludes oxygen.

Compl. specn. 10 pages.

Drg. 1 sheet

CLASS: 24Da

161057

Int. Class: B 60 f 1700.

AUTOMATIC BRAKING-GAP ADJUSTER FOR HYDRAULIC BRAKE. DEVICE

Applicant: NISSHIN KOGYO KABUSHIKI KAISHA, A CORPORATION ORGANISED UNDER THE LAWS OF JAPAN OF NO. 840, OHAZA KOKUBU, UEDA-SHI, NAGANOKEN, JAPAN.

Inventor: ISSEI IWASHITA.

Application for Patent No. 579/Del/84 filed on 17th July, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

5 Claims

An automatic braking-gap adjuster device for hydraulic brakes, comprising:

- an adjusting nut and bolt combination wherein the nut engages threadedly the bolt, said combination being disposed in a hydraulic chamber defined by a piston a portion of the cylinder facing the piston, and said adjusting bolt abutting at its clutch section against a clutch face of said portion of the cylinder;
- a spring retainer having its legs fixed to said piston so as to be engageable with said adjusting nut such that said nut is restrained from turning; and
- a spring arranged in a contracted state between a spring seat of said spring retainer and said adjusting nut for biasing said adjusting nut toward said piston.

Compl. specn. 13 pages.

Drg. 2 sheets

CLASS: 63H

161058

Int. Cl : Holf 7/06, B 66 C 1/06, B03c 1/00.

ELECTROMAGNET FOR TRANSPORTING MATERIALS AND/OR FOR ELECTROMAG SEPERATORS. ELECTROMAGNETIC

Applicant: STEINERT ELEKTROMAGNETBAU GmbH OF WIDDERSDORFER STR. 329–331 5000 KOLN 41, WEST GERMANY, A COMPANY ORGANISED UNDER THE LAWS OF WEST GERMANY.

Inventor: ERWIN BARTH.

Application for Patent No. 593/Del/84 filed on 23rd July, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

8 Claims

Electromagnet for transporting hot materials and/or for electromagnet for transporting not materials and/or electromagnetic separators comprising a magnet body, winding disposed around said magnet body, means for effecting forced ventilation through said magnet body, said forced ventilation means consisting of a fan and passages arranged in the magnet body through which air from the fan is blown, said magnete body being of a rectangular configuration and said passages being alternately provided us longitudinal passages in the magnete body.

Compl. specn. 12 pages.

Drg. 3 sheets

CLASS: 131 Ba

161059

Int. Cl.: E 21 C-25/00, 25/12.

MINERAL CUTTER PICKS.

Applicant: ANDERSON STRATHCLYDE PLC., A BRITISH COMPANY, OF STATION WORKS, SAUNDERTON, HIGH WYCOMBE, BUCKINGAMSHIRE HP14 4HS, GREAT BRITAIN.

Inventor: HENRY MCGAW BROWN.

Application for Patent No. 673/Del/84 filed on 23rd August, 1984.

Convention date 2-9-83/8323599/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

6 Claims

A mineral cutter pick adapted to be mounted on a mineral mining machine and to cut during translational movement in an endless path thereon which pick comprises a body having a parallel sided shank for accommodation in a corresponding shaped recess on a support on a mineral cutting machine to mount the pick on the machine the body having a passage therethrough for liquid which leads from an inlet in a wall of the shank to at least one liquid outlet adjacent to the cutting tip, the shank being formed with a recess for accommodating a latch for securing the pick to its support, characterised in that the shank is of rectangular cross-section and in that the liquid inlet in the rectangular cross-section and in that the liquid inlet in the pick shank is disposed between the latching recess and the forward end of the body and closer to the forward end of the body than to the opposite end of the shank.

Compl. specn. 7 pages.

Drg. 1 sheet

CLASS: 35 E

161060

Int. Cl.: C 04 b 35/14, 35/58.

"A PROCESS FOR MANUFACTURING A REFRACTORY ARTICLE".

YORK CORPORATION, HAVING A PLACE OF BUSINESS AT MIDLAND BUILDING, 101 PROSPECT AVENUE, CLEVELAND, OHIO 44115, U.S.A.

Inventor: DIEGO CAMPOS-LORIZ

Application for Patent No. 778 Del/84 filed on 8th October 84.

Appropriate office for opposition proceedings (Rule Putents Rule, 1972) Patent Office Branch, New Delhi-5. (Rule 4.

9 'Claims

A process for manufacturing a refractory article such as herein described comprising the step of :

- (a) forming a raw batch comprising a mixture of form 4 to 8 weight percent aluminium powder with from 10 to 16 weight percent silicon power and from 76 to 88 weight percent granular silicon carbide;
- (b) shaping said raw batch into a green compact in the presence of an organic binder such as herein described.
- (c) reaction sintering the green compact in a nitro-genous, non-oxidative gas atmosphtre until substantially all of the silicon and aluminium combines with nitrogen to complete formation of the article.

Compl. specn. 205 pages.

CLASS: 152-E

161061

Int: Cl.: C 10 m 7/00.

PROCESS FOR MAKING A. NITROGEN CONTAINING ESTER OF A CARBOXY CONTAINING INTERPOLYMER.

Applicant: THE LUBRIZOL CORPORATION. 29400 LAKELAND BLVD. WICKLIFFE, OHIO 44092, U. S. A.

Inventors: 1. CHARLES PETERSON BRYANT, 2. HAROLD MICHAEL GERDES.

Application No. 789/Cal/83 filed June 24, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A process for making a nitrogen-containing ester of a carboxy containing interpolymer, said interpolymer having a reduced specific viscosity of from 0.05 to 1 and being derived from at least two monomers, one of said monomers being a low molecular weight aliphatic olefin or styrene and the other of said monomers being an alpha, beta-unsaturated aliphatic acid, anhydride or ester thereof, said nitrogencontaining ester being substantially free of titratable acidity and being characterized by the presence within its polymeric structure of each of the following groups which are derived from the carboxy groups of said interpolymer:

- (A) a carboxylic ester group, said carboxylic ester group having at least eight aliphatic carbon atoms in the ester radical, and
- (B) a carbonyl-polyamino group derived from a poly-amino compound having one primary or secondary amino group and at least one monofunctional amino group.

Comprising the steps of:

providing by conventional method an interpolymer derived from at least two monomers, one of said monomers being a low molecular weight aliphatic olefin or styrene and the other of said monomers being an alpha, beta-unsaturated aliphatic acid, anhydride or tester thereof, said interpolymer having a reduced ape-cific viscosity of from 0.05 to 1;

partially esterifying said interpolymer with an alcohol having at least eight aliphatic carbon atoms under conventional conditions for effecting esterification to convert from about 85% to about 99% of the carboxy radicals of said interpolymer to ester radicals; and

substantially neutralizing at a temperature of at least 80°C and preferably 120°C to 300°C the remaining carboxy radicals of said interpolymer with a polyamino compound having one primary or secondary amino group and at least one monofunctional amino group.

Compl. specn, 33 pages.

Drg. 1 sheet

CLASS: 116-B

161062

Int. Cl.: E 02 d 21/00.

FKIIR FIR YSE UB IFF-SHORE TECHNIQUE AND SHIP BUILDING.

Applicant: BEHEERMAATSCHAPPIJ H. D. GROENE-VELD B. V., OF NO. 542 RINGDUK, 2987 BOLNES, THE NETHERLANDS.

Inventor: DIRK HUGO GROENEVELD.

Application No. 1029/Cal/83 filed August 22, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A floor for the in off-shore technique and ship building characterized by a subfloor of gutter-shaped metal parts, a first plate building the gutter-shaped parts and rigidly connected with these parts and a second plate of pressure-resistant material connected rigidly with the first plate.

Compl. speen. 7 pages.

Drgs. 2 sheets

CLASS: 128-A

161063

Int. Cl.: A 61 f 13/00.

UNITARY ADHESIVE BANDAGE

Applicant: JOHNSON & JOHNSON PRODUCTS, INC., NEW BRUNSWICK, NEW JERSEY 08933, UNITED STATES OF AMERICA.

Inventor: 1. NELS JENS LAURITZEN.

Application No. 1251/Cal/83 filed October 11, 1983

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

: 19 Claims

An adhesive bandage constructed of a single piece of bandage material and having a central pad portion and outward-extending, adhesive-coated portions, characterized in that said pad portion comprises a folded, triple thickness of said bandage material, said adhesive-coated portions comprising said bandage material compacted into a thin, sheet-like structure, said pad portion being secured to said adhesive-coated portions along the common border thereof whereby said pad portion is restrained from unfolding.

Compl. specn. 17 pages.

Drgs. 3 sheets

Int. Cl. : C 08 f 47/08.

161064

PROCESS FOR THE PREPARATION OF CELLULAR PRODUCTS AND LAMINATES BASED ON FURAN PREPOLYMERS.

Applicants: PIERRE MICHEL AND MRS. MARTINE ANCIAUX, BOTH OF VILLA "LE MANDALA", LA MURE, LA TERRASSE 38660 LE TOUVET, FRANCE.

Inventor: PIERRE MICHEL.

Application No. 52/Cal/84 filed January 25, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

Process for the preparation of cellular products and laminates based on anhydrous furan prepolymers which possess free OH groups, which is carried out at normal temperature using small amounts of silicon tetrachloride and/or phosphorus oxychloride as the crosslinking and expansion agent, characterised in that a combination of a furfuryl alcohol resin and/or a furfural/phenol (phenol and/or bisphenol A) resin with a bishydroxymethylfuran resin is used as the furan prepolymers, without the use of an acid, the silicon tetrachloride and/or phosphorus oxychloride being used in amounts of 0.1 to 5% by weight, based on the resin employed.

Compl. speen. 14 pages.

Drg. Nil

CLASS: 85-R

161065

Int. Cl.: F 27 b 1/02, 1/08.

A COUPOLA FOR THE MELTING OF METAL STRAP AND METAL CHIPS.

Applicant: WESTINGHOUSE ELECTRIC CORPORA-TION, OF WESTING HOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PITTSBURGH, PENNSYLVA-NIA 15222, UNITED STATES OF AMERICA.

Inventors: 1. MAURICE GERARD FEY, 2. THOMAS NOLAN MEYER.

Application No. 166/Cal/84 filed March 8, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

A cupola for the melting of metal scrap and metal chips comprising shaft means for the melting of a metal containing charge therein, the shaft means having an exchaust port and a charging port, metal scrap charging means for feeding metal scrap and coke into the interior of the shaft means via the charging port to form the metal-containing charge, gas supply means in communication with the interior of the shaft means for supplying an oxygen-containing gas stream thereto, electric arc heater means disposed in communication with the gas supply means for heating the gas stream to melt the metal-containing charge and metal chips, characterized in that metal chips supply means being disposed in communication with the electric arc heater means,

the gas stream and the shaft means for introducing the metal chips into the heated gas prior to its entry into the shaft means, the heated gas stream melting substantially all the metal chips without causing substantial oxidization thereto prior to their entry into the shaft means, the heated gas stream then passing through the metal containing charge transferring heat thereto for melting the metal scrap and the combustion of the coke contained therein and existing the shaft means at the exhaust port, the molten metal chips and molten metal scrap being collected in the shaft means, the furnace permitting the use of metal chips while substantially eliminating oxidation and carryover thereof in the gas stream.

Compl. specn. 22 pages.

Drg. 4 sheets

CLASS: 129-K

161066

Int. Cl.: B 23 g 1/00.

SELF-CUTTING THREADING INSERT.

Applicant: PRECISION FASTENERS GESELLSCHAFT FUR VERBINDUNGSTECHNIK mbH, OF D-8450 AMBERG, FEDERAL REPUBLIC OF GERMANY.

Inventor: BERNHARD STOVEKEN.

Application No. 204/Cal/84 filed March 27, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

Self-cutting threading insert with an outer thread, a conical chamfer at its insert end and with radially extending cuts in the area of the chamfer whose rear edges, seen in direction of insertion, together with the outer thread, form threading edges, characterized in that, behind the threading edges, the profile forming between chamfer and outer thread is flattened up to the front edge of the next cut.

Compl. specn. 14 pages.

Drg. 3 sheets

CLASS: 10-F

161067

Int. Cl.: F 42 b 13/00.

SABOT PROJECTILES.

Applicant: RHEINMETALL GmbH, OF ULMENSTR 125, 4000 DUSSELDORF, FEDERAL REPUBLIC OF GERMANY AND ETAT FRANCAIS, OF 14, RUE ST. DOMINIQUE, F-75997, PARIS, ARMEES, FRANCE.

Inventors: 1. HANSJORG BECKER, 2. DR. GERHARD GLOTZ, 3. DR. JURGEN BOCKER, 4. JURGEN LEEKER, 5. WALTER SIMON, 6. JEAN-CLAUDE SAUVESTRE, 7. PATRICK MONTIER.

Application No. 265/Cal/84 filed April 23, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A sabot projectile having a large length to diameter ratio such as from 10 to 25 and comprising a nose portion and a discarding sabot co-extensive over an axial portion of the projectile to the rear of the nose portion, the sabot comprising segments producing an air dam on its leading surface, the nose portion having a contour discontinuity and the air dam being configured so that the said air dam terminates as its leading edge by a circular rim having a radius which is smaller by a predetermined amount than the radius of the sabot which is at maximum equal to the radius of the gun barrel calibre in the region surrounding the air dam whereby the discontinuity and the air dam cause a recirculation of air flow producing a constant pressure in the air dam thereby allowing an undisturbed separation of the segments.

Compl. speen. 10 pages.

Drg. 1 sheet

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

The claim made by Midrex International B.V. under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 155080 in their name has been allowed.

PATENTS SEALED

151927	151928	155343	156300	156857	157701	157816
157822	157870	157871	157878	157879	157892	157938
157939	157940	157954	158002	158044	158050	158066
158138	158264	158335	158337	158338	158347	158348
158349	158350	158360	158363	158427	158455	158471
158487	158518	158582.				

REGISTRATION OF ASSIGNMENTS, LICENCES ETC. (PATENTS)

Assignments, Licences or other transactions effecting the interests of the original Patentees have been registered in the following cases. The number of the each case is followed by names of the parties claiming interests.

145094	Sumitomo Chemical Company.
144741	A/S N. Foss Electric
143770 148513	Lakshmi Machine Works Limited.
142067	Sola U.S.A. Inc.
152649	Enichem Polimeri S.P.A.
153311	
155521	Dresser Industries Inc.
153576	DSTSA.

RENEWAL FEES PAID

139853	139884	140248	140361	140976	141017	141096
141298	142173	142825	143086	143947	144119	144372
144373	144400	145006	145051	145637	145759	145966
146224	146459	146513	146518	146613	146755	146904
146933	146976	147014	147039	147156	147300	147380
147446	147448	147938	147951	147952	147953	148201
148934	148948	149019	149122	149144	149244	149280
149294	149295	149296	149297	149315	149352	149615
149716	149771	149884	149992	150171	150673	150908
150928	150973	151015	151124	151218	151328	151375
151548	151624	151744	152064	152101	152544	152711
152800	152939	153184	153351	153864	153873	153881
153988	153989	153999	154237	154240	154243	154323
154519	154520	154687	154710	154771	154780	155003
155087	155095	155231	155242	155264	155285	155390
155544	155756	155925	156085	156187	156195	156242
156319	156340	156344	156363	156451	156535	156551
156570	156572	156573	156709	156711	156712	156799
156948	157007	157035	157142	157153	157158	157173
157177	157181	157186		157188	157189	157190
157192	157194		157197	157200	157206	157207
157214	157215			157279	157280	157288
157289					157492	157501
157585					157677	157823
158018	158019	9 158034	158039			

RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 149384 granted to PMP Auto Industries Private Limited for an invention relating to "a cam adjusting device for a voltage, regulation".

The patent ceased on the 24-8-1985 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 7-6-86.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta 700017 on or before the 26th November 1987 under Rule 69 of the Patents Ruls, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application for restoration of Patent No. 154325 dated the 3-7-81 made by Michael John Pook on the 13-10-86 and notified in the Gazette of India, Part III, Section 2 dated the 7-2-87 has been allowed and the said patent restored.

(3

Notice is hereby given that an application for restoration of Patent No. 155152 dated the 12-12-80 made by Michael John Pook on the 13-10-86 and notified in the Gazette of India, Part III, Section 2 dated the 7-2-87 has been allowed and the said patent restored.

(3)

Notice is hereby given that an application for restoration of Patent No. 155153 dated the 12-12-80 made by Michael John Pook on the 13-10-86 and notified in the Gazette of India, Part III, Section 2 dated the 7-2-87 has been allowed and the said patent restored.

REGISTRATION OF DESIGN

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

- Class 1. No. 157325. Neta Metal Works, of 3, Industrial Area, Jalandhar-144004, (Punjab). India, an Indian Proprietorship Firm. "Push Button Type Self Closing Tap". 11th August, 1986.
- Class 1. No. 157864. Goyal Trading Corporation, an Indian Proprietory concern, 1496, Rani Bagh, Shakur Basti, Delhi-110034, India. "Burner (Gas)". 14th January, 1987.
- Class 1. No. 157924. Hirji Bhanji Shah, trading as Mini Industries, a sole proprietory concern having its place of business at Mathura Industrial Estate, Gala No. 5, Balaram Patil Road, Khari Bhayan, der (E), Thana, in the State of Maharashtra within the Union of India. "Watch Straps". 28th January, 1987.
- Class 1. No. 157963. Acrow India Limited, a Company incorporated under the Companies Act, of sterling Centre, 5th floor, 16/2, Dr. Annie Besant Road, Worli, Bombay-400 018, State of Maharashtra, India. "Collar Grip Spigot". 4th February, 1987.
- Class 1. No. 157964. Acro India Limited, a Company incorporated under the Companies Act, of Sterling Centre, 5th floor, 16/2, Dr. Annie Besant Road, Worli, Bombay-400 018, State of Maharashtra, India. "Collar Grip Assembly". 4th February, 1987.

- Class 1. No. 157992. Sameer Nayyar, an Indian P/o. 3/17
 Asaf Ali Road, New Delhi-110002,. India.
 "Weighing Scales". 10th February, 1987.
- Class 1. Nos. 158005, 158006, Indo Swing Limited, an Indian Company of P-12, New C.I.T. Road, Calcutta-700073, State of West Bengal, India. "Industrial Blade". 13th February, 1987.
- Class 1. No. 158043. Mahinder Narain, Resident of 18th, Rajpur Road, Delhi-110054, India. An Indian National, 'Carry Belt'. 23rd February, 1987.
- Class.1. Nos. 158317, 158318. Hirji Bhanji Shah, trading as Mini Industries, a sole proprietory concern having its place of business at Mathura Industrial Estate, Gala No. 5, Balaram Patil Rouad, Khari, Bhayander (E), Thana, in the State of Maharashtra within the Union of India. "Watch straps". 8th May, 1987.
- Class 1. No. 158395. New Golden Hacksaw Machine Manufacturing Company, a sole proprietory firm whose address is Dashmesh Nagar, Tarn Taran Road, Amritsar-143006 (Punjab), India which is an Indian Firm. "Hacksaw Machine". 5th June, 1987.
- Class 1. No. 158411. Jain Manufacturing Company of 840, Industrial Area-A, Ludhiana-3, Punjab, India, an Indian Partnership Firm "Stapling Pliers". 10th June, 1987.
- Class 3. No. 157878, Sylsands Securities (Proprietary) Limited, a company registered according to the laws of the Republic of South Africa, of 110 Industrial Road, Pretoria West, Republic of South Africa, a "Construction Block". 14th January, 1987.
- Class 3, No. 157912. Ruchi Soya Industries Limited, a company incorporated in India of 214, Tulsiani Chambers, 2nd Floor, Backbay Reclamation, Nariman Point, Bombay-400 021, Maharashtra, India. "Bottle" 21st January, 1987.
- Class 3. No. 157914. Mafatlal Dyes & Chemicals Limited, an Indian Company having its Registered Office at Hoechst House, 193, Backbay Reclamation, Nariman Point, Bombay-400 021, Maharashtra, India. "Bottle". 27th January, 1987.
- Class 3. No. 157957. Wimco Limited, of Indian Mercantile Chambers, Ramjibhai Kamani Marg, Ballard Estate, Bombay-400038. Maharashtra, an Indian Company. "Lighter". 4th February, 1987.

- Class 3. No. 157974. Shree Krishna Keshav Laboratories Limited, a Company incorporated in India, of Amraiwadi Road, Ahmedabad-380008, Gujarat, India, an Indian Company, "Urimary Leg Bag". 6th February, 1987.
- Class 3. No. 157982. Kalpana Industries, a Registered Indian Partnership Firm, Carrying an business at 405, Byculla Industrial Estate, Sussex Road, Near Victoria, Gardeny, Bombay-400 (27, Maharashtra, India. "BOX", 6th February, 1987.
- Class 3. No. 158051, Kirti Sheth, Indian National, of 44 Mint Road, Fort, Bombay-400 001 State of Maharashtra, India. "Container". 24th February, 1987.
- Class 3. Nos. 158293, 158294. Vishal Appliances Private Limited, 207, Rewa Chambers, 31, New Marine Lines Bombay-400020, Maharashtra, India. "Decorative Ring for Fan". 1st May, 1987.
- Class 4. No. 158225. Eagle Flask Private Limited, an Indian Company of Eagle Estate, Talegaon-410507, Dist. Pune, Maharashtra State, India, "Vacuum Flask". 15th April, 1987.
- Class 10. Nos. 158100 & 158101. Apok Jamir, C/o S. C. Jamir, Nagarjan, P.O. Dimapur, Nagaland-797112, India, of Indian Nationality. "Footwear". 6th March, 1987.
- Class 10. No. 158502. Industrial & Commercial Traders, having its registered office at Swastik Industries Compound, Chincholi Bunder Road, Off. S. V. Road, Malad, Bombay-400064, Maharashtra, India, a registered Partnership firm, "Footwear", 7th July, 1987.
- Class 12. Nos. 157801, 157802, 157803, 157804. Fiberglass Mouldings Corporation, a partnership Firm, trading as Fiberglass Mouldings Corporation, 75C, Park Street, Calcutta-700016, West Bengal, India, all Indian Nationals. "Tent". 24th December, 1986.
 - Extn. of Copyright for the Third Period of five years.

R. A. ACHARYA
Controller General of Patents, Designs
and Trade Marks